



United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

Transaction Code [N] 1	NPDES [U][T][0][0][2][4][3][6][8] 311	yr/mo/day [1][3][0][3][2][8] 1217	Inspection Type [R] 18	Inspector [S] 19	Fac. Type [2] 20
Remarks 21 66					
Inspection Work Days [2] 67 69	Facility Self-Monitoring Evaluation Rating [4] 70	BI [D] 71	QA [N] 72	Reserved 73 74 75 80	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/ Date 2:00 p.m. 3/28/2013	Permit Effective Date 5/1/2011
Crandall Canyon Mine (a.k.a. Genwal Resources, Inc.) UtahAmerican Energy, Inc. ~1.5 miles up Crandall Canyon off Hwy. 31 in Huntington Canyon NW of Huntington, UT	Exit Time/ Date 12:30 pm/ 12-1-2010	Permit Expiration Date 4/30/2016
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data (e.g., SIC NAICS, and other descriptive information)	
J.D. Leonard, Engineering Tech., 435-888-4026 R. Jay Marshall, P.E. Chief Engineer/Project Manager for Lila Canyon, 435-888-4007	Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 SEE ATTACHED	
Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
David Hibbs, President UtahAmerican Energy, Inc. 794 North "C" Canyon Road P.O. Box 910 East Carbon, Utah 84520-0910		

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input type="checkbox"/> Permit	<input type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description
[][][][][]	
[][][][][]	
[][][][][]	
[][][][][]	

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Number(s)	Date:
Mike Herkimer, Environmental Scientist	DWQ (801) 536-4386	
N/A		
Name and Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Number(s)	Date:
John Kennington Engineering Section	DWQ (801) 536-4380	

INSTRUCTIONS

Section A: National Data System Coding (*i.e.*, ICIS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc. (*Use the Remarks columns to record the State permit number, if necessary.*)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit	X	Toxics Inspection	6	IU Non-Sampling Inspection with Pretreatment
B	Compliance Biomonitoring	Z	Sludge - Biosolids	7	IU Toxics with Pretreatment
C	Compliance Evaluation (non-sampling)	#	Combined Sewer Overflow-Sampling	!	Pretreatment Compliance (Oversight)@
D	Diagnostic	\$	Combined Sewer Overflow-Non-Sampling	{	Follow-up (enforcement)
F	Pretreatment (Follow-up)	+	Sanitary Sewer Overflow-Sampling	}	Storm Water-Construction-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Non-Sampling	:	Storm Water-Construction-Non-Sampling
I	Industrial User (IU) Inspection	\	CAFO-Sampling	~	Storm Water-Non-Construction-Sampling
J	Complaints	=	CAFO-Non-Sampling	<	Storm Water-MS4-Sampling
M	Multimedia	2	IU Sampling Inspection	-	Storm Water-MS4-Non-Sampling
N	Spill	3	IU Non-Sampling Inspection	>	Storm Water-MS4-Audit
O	Compliance Evaluation (Oversight)	4	IU Toxics Inspection		
P	Pretreatment Compliance Inspection	5	IU Sampling Inspection with Pretreatment		
R	Reconnaissance				
S	Compliance Sampling				
U	IU Inspection with Pretreatment Audit				

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A-	State (Contractor)	O-	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B-	EPA (Contractor)	P-	Other Inspectors, State (Specify in Remarks columns)
E-	Corps of Engineers	R-	EPA Regional Inspector
J-	Joint EPA/State Inspectors—EPA Lead	S-	State Inspector
L-	Local Health Department (State)	T-	Joint State/EPA Inspectors—State lead
N-	NEIC Inspectors		

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1- Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2- Industrial. Other than municipal, agricultural, and Federal facilities.
- 3- Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4- Federal. Facilities identified as Federal by the EPA Regional Office.
- 5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

Reconnaissance Inspection

Genwal Resources, Inc.
Crandall Canyon Mine

UPDES Permit Number (UT0024368)

March 28, 2013

Facility Description

Location: Approximately 15 miles northwest of Huntington, Utah in Crandall Canyon (1.5 miles west of Highway 30)
Latitude 39°27'38", Longitude 111°09'59".

Main Office: At Crandall Canyon Mine. Mailing address is: 794 North C Canyon Road, P.O. Box 910, East Carbon, Utah 84520-0910. J.D. Leonard is the Environmental Technician dealing with the Mine and will serve as the primary contact. He can be reached at 435-888-4026.

Design Capacity: 1.5 MGD

Receiving Water: Crandall Canyon Creek to the Huntington River

Description & Process: Inactive underground coal mining operation. The mine drainage is considered alkaline in nature. The mine has two discharge points. Discharge point 001 is designed to capture and treat surface drainage and discharge point 002 consists of an iron treatment system for the mine water.

Narrative

Weather conditions at the time of the inspection were partly cloudy with temperatures in the 50's. At the time of the inspection Outfall 001 was not discharging and Outfall 002 was discharging to waters of the State.

The mine had experienced a land slide which broke the line running from the mine to the iron treatment system. This happened on March 13, 2013 at 5:10 a.m. and at 9:00 a.m. the mine discharge had been shut down and repairs were being made. The untreated mine water running into the system was inadvertently routed to the pond associated with Outfall 001 as a result of water capture systems installed to prevent runoff water from leaving the disturbed area. A picture showing this system will be included at the end of

this report. The reason for the inspection was to check the site for effects from the spill and observe the emergency treatment system put in place. One change in the system was where the treatment chemicals were added. The emergency system appeared to be working properly and the effluent appeared clear without any iron staining. The discharge monitoring report for the month of March reported a total iron value of 0.16 mg/L and a total aluminum concentration of 0.90 mg/L. It has been verbally reported at the time of the writing of this inspection report that the iron is within permit limits for the month of April, 2013. There was a wildland fire in Huntington Canyon the previous summer which had caused a substantial amount of damage in Huntington Creek. However, just downstream of the discharge from Outfall 002 in Crandall Creek was a school of very large fish visible from the road, several feet above the creek. The fish appeared to be staying in the mixing zone of the discharge for an extended period of time.

Also, during the inspection, the inspector observed J.D. Leonard sampling the effluent. The mine bought a new dissolved oxygen meter as the one that was previously used did not function on a few occasions at which time the laboratory dissolved oxygen was used for reporting on the discharge monitoring report, which exceeded the required holding time. The new meter should eliminate this problem.

Deficiencies

None

Requirements

1. Please submit a write up of the incident to include time frames of when the mine became aware of the slide, how they became aware of it, and response times as well as notification times of the appropriate agencies.
2. Please indicate what modifications to the system can be made to prevent discharge of untreated mine water to waters of the State in case another slide of similar nature occurs again.



Photo #1: Shows where the rock slide occurred. The black line coming down the rock face was cut lose from the wall and torn at the top of the ledge.



Photo #2: Another view of the rock slide area.



Photo#3: Where the water from the broken black pipe (visible at top left) came down the hill.



Photo #4: Water flowed on the ditch on the side of the road to about the first white sign on the left, then went under the road through a pipe to pond 001 where none was discharged to Crandell Creek.



Photo #5: Pipe crossing the road going into pond 001. Note the grating in the pipe. This is continued in the road to make sure any runoff coming down the road is caught in the pipe and shunted to the drainage pond 001. The grating is around one to two inches in size and should capture a decent amount of flow running down the road.



Photo #6: Pond associated with Outfall 001, where the untreated mine water ended up.

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